

3. Deposit subsequent layer with increased lattice mismatch at low T

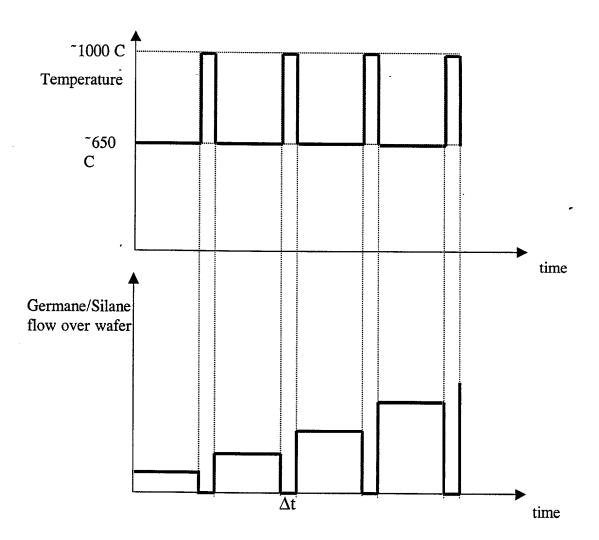


Figure 2

## Glide Kinetics Series (30% Ge): Field TDD vs. Growth T

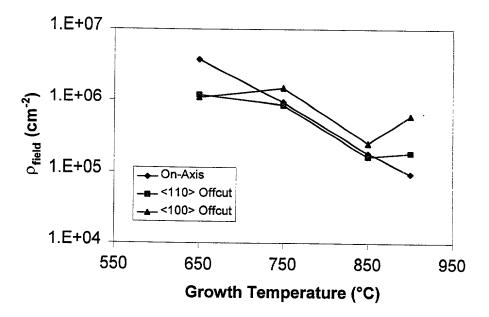


Figure 3

## Change in Effective Strain to Fit Data

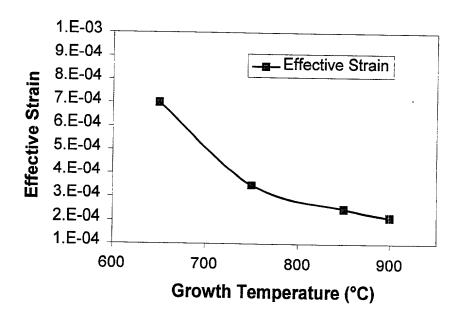


Figure 4

Sample	Total Threading Dislocation Density (#/cm²)	Field Threading Dislocation Density (#/cm²)
20% SiGe on Si with graded buffer as grown	1.36 x 10 <sup>6</sup>	1.31 x 10 <sup>6</sup>
20% SiGe on Si with graded buffer after a 5 min anneal at 1050°C	7.25 x 10 <sup>5</sup>	5.48 x 10 <sup>5</sup>

Figure 5